

Converting Colors

CIELCh(59, 42.093, 165.896)

Have a look what the booklet for
CIELCh(59, 42.093, 165.896)
contains.

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Color

CIELCh(59, 42.120, 165.967)

Conversions

Conversions Part 1

Format	Color
Hex	2CA07B
RGB	44, 160, 123
RGB Percent	17%, 63%, 48%
CMY	0.8285, 0.3733, 0.5184
CMYK	0.73, 0.00, 0.23, 0.37
HSL	161°, 57%, 40%
HSV	161°, 73%, 63%
XYZ	17.1270, 27.0277, 22.9918
YIQ	121.0980, -57.2590, -36.0990

Conversions

Conversions Part 2

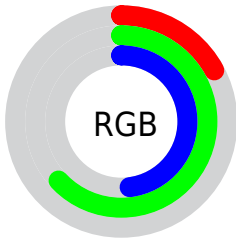
Format	Color
R_{YB}	44, 113, 160
Decimal	2924667
CIE _{Lab}	59.00, -40.86, 10.21
CIE _{LCh}	59, 42.120, 165.967
Yxy	27.0277, 0.2551, 0.4025
Android (android.graphics.Color)	4281114747 (0xFF2CA07B)
YUV	121.0980, 0.9377, -67.6149
Hunter-Lab	51.9882, -32.1742, 10.1707

Details

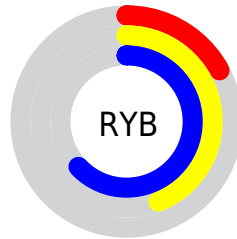
The CIELCh color $59, 42.120, 165.967$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $38, 50.379, 6.855$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 42.577, 165.516$, and $40, 36.972, 162.387$ is the 20% darker color. If you saturate the color by 10%, you get $59, 45.794, 164.170$, and if you desaturate by 10%, it is $60, 37.776, 167.575$.

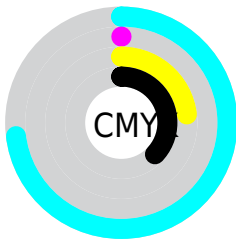
Distribution



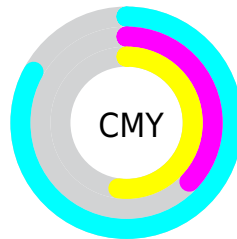
- Red (17%)
- Green (63%)
- Blue (48%)



- Red (17%)
- Yellow (44%)
- Blue (63%)



- Cyan (73%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)





- Cyan (83%)
- Magenta (37%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 42.120, 165.967 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 59, 42.120, 165.967 by changing the saturation by 10% instead.


 59, 42.120,
165.967

 59, 42.120,
165.967


 100, 42.120,
165.967

 49, 42.120,
165.967


 79, 42.120,
165.967

 39, 42.120,
165.967

 89, 42.120,
165.967

 29, 42.120,
165.967

 99, 42.120,
165.967

 19, 42.120,
165.967

 9, 42.120, 165.967

 0, 42.120, 165.967

■ 59, 42.120,
165.967

■ 59, 42.120,
165.967

■ 59, 45.794,
164.170

■ 60, 37.776,
167.575

■ 58, 48.808,
162.177

■ 60, 32.803,
169.016

■ 58, 50.768,
160.669

■ 61, 27.280,
170.313

■ 62, 21.309,
171.489

■ 63, 14.998,
172.568

■ 64, 8.453, 173.575

■ 65, 1.768, 174.671

■ 67, 4.976, 355.224

■ 68, 11.713,
356.079

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59, 42.120, 165.967



38, 50.379, 6.855

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 42.120, 165.967



59, 42.120, 215.967



59, 42.120, 345.967



59, 42.120, 35.967

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59, 42.120, 165.966



80, 17.972, 172.591



59, 67.203, 131.453



42, 12.133, 172.327



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59, 42.120, 165.966



74, 57.680, 163.000



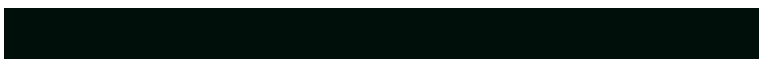
54, 27.870, 221.073



33, 3.759, 173.911



52, 46.579, 160.899



3, 5.057, 172.360

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38, 50.379, 6.855



45, 69.518, 13.132



40, 50.430, 39.354



31, 3.852, 355.471



29, 56.142, 18.120



1, 4.910, 355.800

Previews

White Background



This preview shows how the CIE LCh color 59, 42.120, 165.967 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 59, 42.120, 165.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 42.120, 165.967

Background



This preview shows how black text looks on a background with the CIELCh color 59, 42.120, 165.967.



This preview shows how white text looks on a background with the CIELCh color 59, 42.120, 165.967.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
59, 42.120, 165.967

Protanopia
59, 16.228, 94.787

Deuteranopia
59, 10.519, 45.540



Tritanopia
59, 26.781, 212.095

Trichromacy



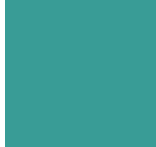
Original Color
59, 42.120, 165.967



Protanomaly
58, 22.920, 147.515



Deuteranomaly
58, 15.464, 153.752



Tritanomaly
59, 30.272, 190.199

Monochromacy



Original Color
59, 42.120, 165.967



Achromatopsia
51, 0.007, 296.813



Achromatomaly
53, 17.642, 172.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 42.120, 165.967 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(44, 160, 123)` looks like.

```
.text, #text, p{  
    color:rgb(44, 160, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(44, 160, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 42.120, 165.967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(44, 160, 123) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(44, 160, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(44, 160, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 123);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 42.120, 165.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(44, 160,  
123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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